

Thermoacoustic Radioisotope Generator (TRG), Phase I

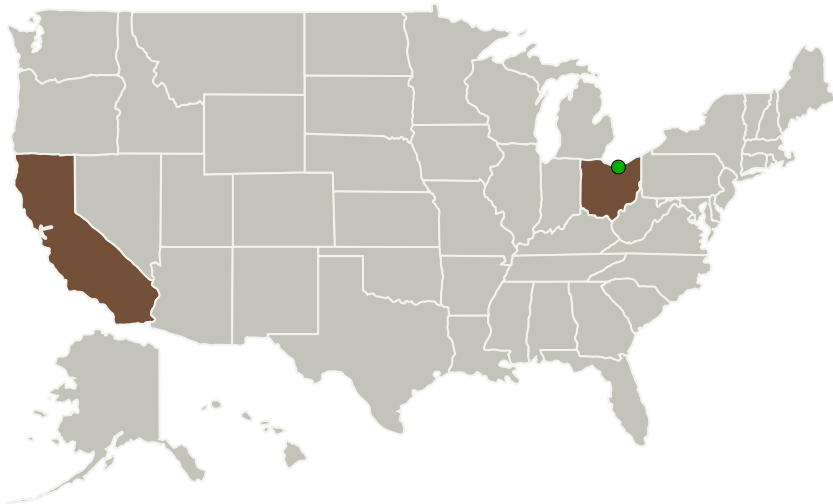
Completed Technology Project (2016 - 2016)



Project Introduction

NASA SBIR-2015 Topic S3.01 seeks to investigate

Primary U.S. Work Locations and Key Partners



Thermoacoustic Radioisotope Generator (TRG), Phase I

Table of Contents


Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Project Transitions	1
Images	2
Organizational Responsibility	2
Project Management	2
Technology Maturity (TRL)	2
Technology Areas	3
Target Destinations	3

Organizations Performing Work	Role	Type	Location
Nirvana Energy Systems, Inc.	Lead Organization	Industry	Portola Valley, California
● Glenn Research Center(GRC)	Supporting Organization	NASA Center	Cleveland, Ohio

Primary U.S. Work Locations

California Ohio

Project Transitions

 **June 2016:** Project Start

Thermoacoustic Radioisotope Generator (TRG), Phase I

Completed Technology Project (2016 - 2016)



✓ **December 2016:** Closed out

Closeout Documentation:

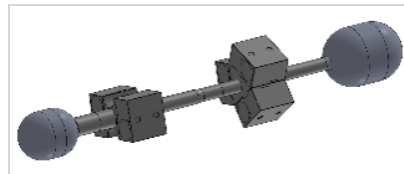
- Final Summary Chart(<https://techport.nasa.gov/file/140872>)

Images



Briefing Chart Image

Thermoacoustic Radioisotope Generator (TRG), Phase I
(<https://techport.nasa.gov/image/129112>)



Final Summary Chart Image

Thermoacoustic Radioisotope Generator (TRG), Phase I Project Image
(<https://techport.nasa.gov/image/133547>)

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Organization:

Nirvana Energy Systems, Inc.

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Project Management

Program Director:

Jason L Kessler

Program Manager:

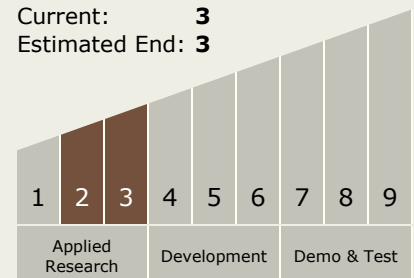
Carlos Torrez

Principal Investigator:

Geoffrey Bruder

Technology Maturity (TRL)

Start: 2
Current: 3
Estimated End: 3



Thermoacoustic Radioisotope Generator (TRG), Phase I

Completed Technology Project (2016 - 2016)



Technology Areas

Primary:

- TX03 Aerospace Power and Energy Storage
 - └ TX03.1 Power Generation and Energy Conversion
 - └ TX03.1.2 Heat Sources

Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System